



Recombinant Human PDZ and LIM domain protein 7 (PDLIM7)

Product Code	CSB-EP865112HU
Abbreviation	PDLIM7
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9NR12
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MDSFKVVLEG PAPWGFRLQG GKDFNVPLSI SRLTPGGKAA QAGVAVGDWV LSIDGENAGS LTHIEAQNKI RACGERLSLG LSRAQPVQSK PQKASAPAAD PPRYTFAPSV SLNKTARPFQ APPPADSAPQ QNGQPLRPLV PDASKQRLME NTEDWRPRPG TGQSRFRIL AHLTGTEFMQ DPDEEHLKKS SQVPRTEAPA PASSTPQEPW PGPTAPSPTS RPPWAVDPAF AERYAPDKTS TVLTRHSQPA TPTPLQSRIS IVQAAAGGVP GGGSNNGKTP VCHQCHKVIR GRYLVALGHA YHPEEFVCSQ CGKVLEEGGF FEEKGAIFCP PCYDVRYAPS CAKCKKKITG EIMHALKMTW HVHCFTCAAC KTIPIRNFAY MEEGVPCYER DYEKMFGTKC HGCDFKIDAG DRFLEALGFS WHDTCFVCAI CQINLEGKTF YSKKDRPLCK SHAFSHV
Source	E.coli
Target Names	PDLIM7
Protein Names	Recommended name: PDZ and LIM domain protein 7 Alternative name(s): LIM mineralization protein Short name= LMP Protein enigma
Expression Region	1-457
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	This protein is representative of a family of proteins composed of conserved PDZ and LIM domains. LIM domains are proposed to function in protein-protein recognition in a variety of contexts including gene transcription and development and in cytoskeletal interaction. The LIM domains of this protein bind to protein kinases, whereas the PDZ domain binds to actin filaments. The gene product is involved in the assembly of an actin filament-associated complex essential for transmission of ret/ptc2 mitogenic signaling. The biological function is likely to be that of an adapter, with the PDZ domain localizing the LIM-binding proteins to



actin filaments of both skeletal muscle and nonmuscle tissues. Alternative splicing of this gene results in multiple transcript variants.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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